

Work Order ID 98828

March-26-13 9:04:06 AM

ASAP

\*98828\*

PRELIMINARY ISSUE

Page 1

Item ID: D4792-8

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID: PRELIM

Item Name: Angle

Stop \*NS2\*

Start Date: 3/26/13 Start Qty: 4.00

\*4\*

Cust Item ID:

Required Date: 4/09/13 Req'd Qty: 4.00

\*4\*

Customer:

Reference:

Approvals: Process Plan: ML3 Date: 3-03-26

Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start \*NR1\*

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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D4792	pa <del>2</del> 3 <u>AA</u>
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100		0.00
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\*100\*

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut D4792-7f as per Dwg

Dwg Rev: PA3

Prog Rev: PA3

60061-050

2-Deburr if necessary

110	QC2- Inspect parts off machine FAI/FAIB	0.00
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\*110\*

QC

Memo

0.00

Quality Control

4 0 Jm13-3-27

4 0 Jm13-3-27

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

**FAULT CATEGORY**

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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# Work Order ID 98828

March-26-13 9:04:06 AM

\*98828\*

Page 2

Item ID: D4792-8

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID: PRELIM

Stop \*NS2\*

Item Name: Angle

Start Date: 3/26/13 Start Qty: 4.00

\*4\*

Cust Item ID:

Required Date: 4/09/13 Req'd Qty: 4.00

\*4\*

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start \*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop \*NR2\*

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

120

QC8- Inspect parts - second check

0.00

\*120\*

QC

Memo

0.00

Quality Control

130

Bend as per dwg

0.00

\*130\*

Brake NC

Memo

0.00

Brake NC

140

QC5- Inspect part completeness to step on W/O

0.00

\*140\*

QC

Memo

0.00

Quality Control

0.00  
13-3-27

13-3-27

4  
Inspect as per  
Dwg PAB

4

SP  
13/03/27

0.00  
13-3-27

13-3-27

4  
Inspect as per  
Dwg PAB

NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
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<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other	
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# Work Order ID 98828

March-26-13 9:04:06 AM

**\*98828\***

Page 3

Item ID: D4792-8  
Revision ID: PRELIM  
Item Name: Angle

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Stop **\*NS2\***

Start Date: 3/26/13 Start Qty: 4.00 **\*4\***  
Required Date: 4/09/13 Req'd Qty: 4.00 **\*4\***

Cust Item ID:  
Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	Identify as per dwg & Stock Location: _____	0.00							
<b>*150*</b>									
Packaging	Memo	0.00							
Packaging									
160	QC21- Final Inspection - Work Order Release	0.00							
<b>*160*</b>									
QC	Memo	0.00							
Quality Control									

*MF*  
*13-4-2*

POSITIVE RECALL

EFFECTIVE \_\_\_\_\_ AUTH \_\_\_\_\_

RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other
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# Picklist Print

March-26-13 9:04:11 AM

Work Order ID: 98828

\*98828\*

Parent Item: D4792-8

\*D4792-8\*

Parent Item Name: Angle

Start Date: 3/26/13

Required Date: 4/09/13

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV:A 13.03.22 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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M6061T6S.050

Purchased

No

100

sf

443.2620

0.014

0.058947

**\*M6061T6S 050\***

\*\*

0.1

Jm3-3-27

6061-T6 .050 Sheet

Location

Loc Qty

Loc Code

MAT021

443.262

114799

56.682

114993

27

121192

107

123293

252.58

123293

NCR: Yes / No

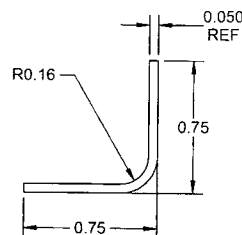
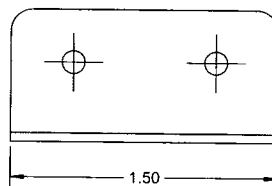
## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

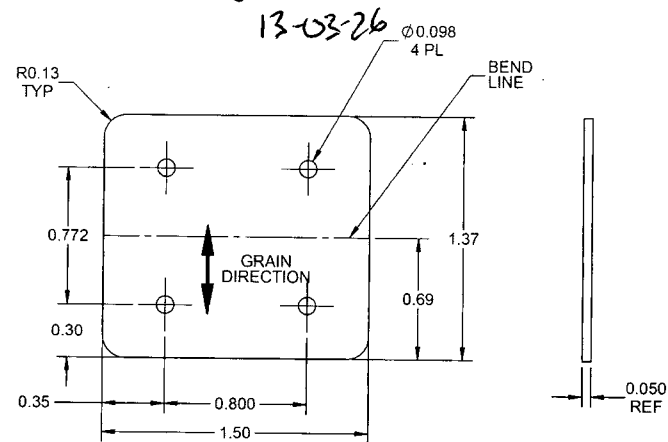
QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>						
<b>Root Cause</b>		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data	<input type="checkbox"/>											
Equip/Tooling	<input type="checkbox"/>											
Operator	<input type="checkbox"/>											
Material	<input type="checkbox"/>											
Setup	<input type="checkbox"/>											
Other	<input type="checkbox"/>											
Process	<input type="checkbox"/>											
Supplier	<input type="checkbox"/>											
Training	<input type="checkbox"/>											
Unapproved	<input type="checkbox"/>											
<b>FAULT CATEGORY</b>												
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other	





**D4792-1 ANGLE**  
MAKE FROM D4792-1F FLAT PATTERN



**D4792-1 ANGLE FLAT PATTERN ANGLE**

**NOTES:**

- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET 0.050 THICK  
PER QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR AMS 4027 OR ASTM B209  
REF DART SPEC M2024T3S.050 OR M6061T6S.050  
OR  
2024-T3 ALUMINUM SHEET, 0.050 THICK  
QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209  
REF DART SPEC M6061T6S.050 OR M2024T3S.050
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs

**PRELIMINARY ISSUE**

13.03.02

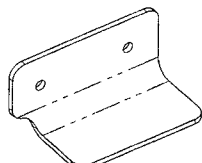
PA3	NEW ISSUE	SC	13.03.02
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED	DC		
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	13.03.02		

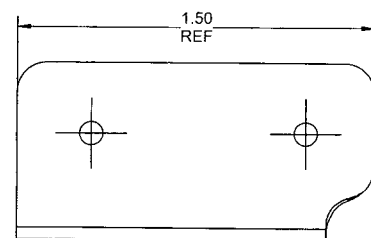
<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. <b>D4792</b>	REV. PA3
TITLE <b>ANGLE</b>	SHEET 1 OF 4
SCALE NTS	

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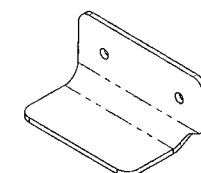
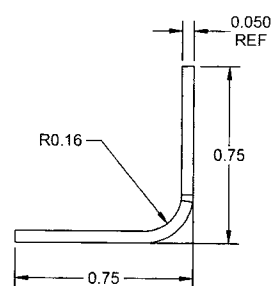
98828



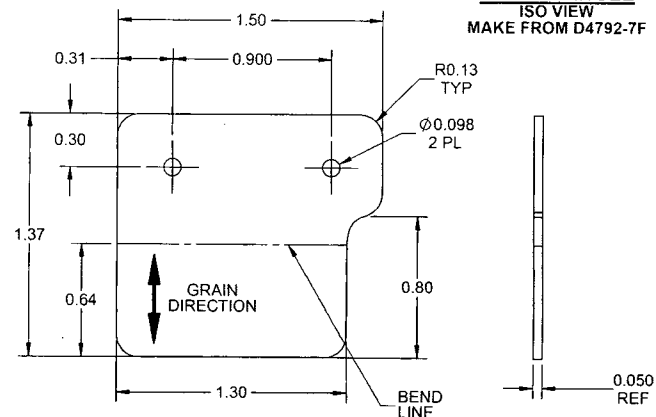
**D4792-8 ANGLE**  
ISO VIEW  
MAKE FROM D4792-7F



**D4792-7 ANGLE**  
D4792-8 OPPOSITE  
MAKE FROM D4792-7F FLAT PATTERN



**D4792-7 ANGLE**  
ISO VIEW  
MAKE FROM D4792-7F



**D4792-7F FLAT PATTERN ANGLE**

**NOTES:**

- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET 0.050 THICK  
PER QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR AMS 4027 OR ASTM B209  
REF DART SPEC M2024T3S.050 OR M6061T6S.050  
OR  
2024-T3 ALUMINUM SHEET, 0.050 THICK  
QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209  
REF DART SPEC M6061T6S.050 OR M2024T3S.050
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.02 lbs

**PRELIMINARY ISSUE**

~~13~~ 13.03.02

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	PC	DRAWING NO.	REV. PA3
MFG. APPR.		<b>D4792</b>	SHEET 4 OF 4
APPROVED		TITLE	SCALE
DE APPR.		<b>ANGLE</b>	NTS
DATE	13.03.02	<small>COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



DART AEROSPACE LTD		Work Order:	48828
Description: Cnole		Part Number:	D4792-8
Inspection Dwg: D4792	Rev: PA3	Page 1 of 1	

[illegible]

Rev	Date	Change	Revised by	Approved
E	10.04.14	Added preliminary approval	KJ	

# Receiving Report

Date: 12/10/11  
 Supplier: CAMP

Batch No: M123 293  
 Dart P/O: 18068

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: DA Yes ☒ No ☐ N/A ☐  
 QC6 Inspection 14 12/16/11 N/A ☐  
 Work Order 289 N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 12/10/11  
 Date [Signature]  
 Received/Costing [Signature]  
 Initial [Signature]

Location \_\_\_\_\_

## Page 1 of 1

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-CAM002	Campi Steel								
PO18065	1		M569EX0.50-18F	sf	10/9/2012	10/12/2012	128.0000	\$1.08	0.0000	0	\$138.33
CAD	No		569 Expanded Metal	sf	128.0000	DESJ02		\$138.33	0.0000	0	
			123293								
	2		M6061T6S.032	sf	10/9/2012	10/12/2012	192.0000	\$1.88	0.0000	0	\$361.27
	No		6061-T6 Sheet 0.032"	sf	192.0000	DESJ02		\$361.27	0.0000	0	
			123293								
	3		M6061T6S.050	sf	10/9/2012	10/12/2012	288.0000	\$3.07	0.0000	0	\$884.17
	No		6061-T6 .050 Sheet	sf	288.0000	DESJ02		\$884.17	0.0000	0	
			123293								

Total Received Quantity:	608.0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$1,383.76
Total Balance Due Quantity:	0.0000

935, boul. du Havre  
Valleyfield (Québec)  
J6S 5L1

**TÉLÉPHONE : 450 377-4248**  
**FAX : 450 377-5696**

**MONTREAL : 514 336-4248**  
**FAX : 514 336-4246**

**DISTRIBUTEUR D'ACIER ET METAUX SPECIALISES**  
**STEEL AND SPECIALTY METALS DISTRIBUTOR**

**ONTARIO : 1 800 667-4248**  
**FAX : 1 866 456-4242**

On a du Sangier "FER"

**VENDU À / SOLD TO:**

EXPÉDIEZ À / SHIP TO:

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY,  
ONTARIO  
K6A 1K7

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY,  
ONTARIO  
K6A 1K7

COMMANDE  
ORDER

Nº 205937

DATE \_\_\_\_\_

03/10/12

BON DE LIVRAISON  
PACKING SLIP

N

DATE DE LIVRAISON  
DELIVERY DATE

11/10/12

**VOTRE N° DE COMMANDE / YOUR PO. N°**

**VEND. / SALESM.**

**CODE CLIENT / CUST. CODE**

EXPEDIE PAR / SHIP VIA

**TERMES / TERMS**

TERR.

REMARKS / REMARKS

PAGE N°

FD18065

✓ 10

DAER

NET 30 DURS

28

66

CODE DE PRODUIT PRODUCT CODE	COMMANDE ORDERED	EXPÉDIE SHIPPED	DESCRIPTION	POIDS WEIGHT	PRIX PRICE	PAR PER *	MONTANT AMOUNT
			ENTRÉE TEST REQUIS				
MD 1218F	4	4x14x12	EXPANDED METAL 1/2 X 18F 4 X 4' X 8'	84.00			
	192	4x14x12	RENT NON DISPONIBLE ALU PLATE 6061-T6 .032" (206) 4 X 4' X 12' HEAT: 781264	192.00			
PAL 4121606061	6	6x14x12	6061-T6 AL. SH. .051 (166) 48X144 6 X 4' X 12' HEAT: 391156	207.00			

* Unités de mesure :	CLB	Cent livres	CPI	Cent pieds	UN	Unité	PI	Pied	PC	Pied carré
Units of measure :		Hundred pounds		Hundred feet		Unit		Foot		Square foot

POIDS TOTAL	483
TOTAL WEIGHT	

## CONDITIONS

[illegible]

## CONDITIONS

ALL SOLD AND DELIVERED MATERIALS REMAIN THE PROPERTY OF HENRY SAWYERS UNTIL PAYMENT IS MADE IN FULL. COMPLETE AND CASHED  
ALL SELL MATERIALS ARE AT THE BUYERS RISK. WE DO NOT GIVE THE SAME WARRANTY AS GIVEN BY THE MANUFACTURER.  
THE BUYER HEREBY AGREES TO THE FOLLOWING: CANNOT RETURN SOLDWARE FROM DELIVERED AND THE BUYER ACCEPTS TO PAY  
IMMEDIATELY UPON DELIVERY OF THE SOFTWARE. WE DO NOT CARRY IN ALL CASH ACCOUNTS OVER 30 DAYS. ANY DELAYS IN PAYMENT WITH  
INSTRUCTIONS TO THE BUYER TO RETURN THE SOFTWARE TO THE SELLER. ANY DELAYS IN PAYMENT WITH INSTRUCTIONS TO THE BUYER TO RETURN THE  
SOFTWARE TO THE SELLER. ANY DELAYS IN PAYMENT WITH INSTRUCTIONS TO THE BUYER TO RETURN THE SOFTWARE TO THE SELLER.  
ANY DELAYS IN PAYMENT WITH INSTRUCTIONS TO THE BUYER TO RETURN THE SOFTWARE TO THE SELLER. ANY DELAYS IN PAYMENT WITH INSTRUCTIONS TO THE BUYER TO RETURN THE SOFTWARE TO THE SELLER.

MERCHANDISE RECEIVED IN GOOD CONDITION

**SOUS-TOTAL**  
**SUB TOTAL**

T.P.S.  
G.S.T

T.V.Q. / T.V.H.  
Q.S.T. / H.S.T.

**TOTAL**

PRÉPARÉ / PREPARED	VÉRIFIÉ / VERIFIED
PAR 3	PAR FM

LIVRE / DELIVERED	HEURE / TIME
5	
PAR BY	

MARCHANDISE	PROVE EN BONNE CUNDA	CIN MARCHANDISE RECEIVED	TOTAL QUANTITY	A/S	M/M	J/D
<b>X</b>	Chiffon	100	100	100	100	100

11/10/2017 11:00:00 AM

SIGNATURE OF CLIENT/CUSTOMER & SIGNATURE

**DART**  
aerospaceDart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053**PURCHASE ORDER**Purchase Order ID **PO18065**

Purchase Order Date 10/03/12

PO Print Date 10/03/12

Page Number 1 of 2

## Order From :

CAMPI STEEL  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

VC-CAM002

## Contact Name

## Vendor Phone

800-667 4248

## Vendor Fax

450.377 5696

## Vendor Account Nbr

## Buyer

Chantal Lavoie

## Requisition Nbr

## Tax Resale Nbr

10127-2607

## Terms

Net 30

## Currency

CAD

## FOB

Destination-Collect

12329.2

## Ship To :

DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA**FAKED**

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M569EX0.50-18F 018	569 Expanded Metal	10/09/12 Yes	128.00 sf	Yours ppd	\$1.0625	\$136.00
		Special Inst:	MATERIAL: CARBON STEEL EXPANDED METAL MESH AS PER ASTM F1267 OR MIL-M-17194D				
2	M6061T6S.032 021	6061-T6 Sheet 0.032"	10/09/12 Yes	192.00 sf	Yours ppd	\$1.8500	\$355.20
		Special Inst:	MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A- 250/11 OR AMS 4025 OR AMS 40327 OR ASTM B209				
3	M6061T6S.050 021	6061-T6 .050 Sheet	10/09/12 Yes	288.00 sf	Yours ppd	\$3.0184	\$869.30

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**No substitution or deviation without  
consent.Certificate of Conformity or Material  
Certification required **YES** NO

Change Nbr:

Change Date: 10/03/12



# CERTIFIED INSPECTION REPORT

**Alcoa Inc.**

**DAVENPORT WORKS 4679 State Street Bettendorf, IA 52722**

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Malcolm Murphy

Director of Manufacturing Davenport Works

Terence Thom

Quality Assurance Manager

1345958

0

Ship Date

B.L. No.

Invoice No.

Alcoa No. Item

2012-02-21

6796434

00000

1000345769-1

DPE-45769-1

P.O. No./Govt Contract No.

Customer

Alcoa Item

C64614 Ln#: 1

Page 2 of 2

CQR: 0217944.5 -Specification Limits (cont.)

Chemical Composition		SI	FE	CU	MN	MG	CR	ZN	TI	Other	
										Each	Total Aluminum
	Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15
	Min	0.40		0.15		0.8	0.04				REMAIN

Alloy 6061

Lot: 391156

- Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	Test	No->		UTS	KSI	TYS	KSI	ELAD	PCT
			7	Test						
T6	Long Transv.	7			50.2	✓	43.8	✓	10.9	✓
					50.3	✓	43.9	✓	11	✓
					50.2	✓	44	✓	10.6	✓
					50.2	✓	43.8	✓	11	✓
					50.4	✓	43.8	✓	11.3	✓
					50.2	✓	43.6	✓	11.4	✓
					49.9	✓	43.4	✓	10.9	✓

Cast Number	Chemical - OBS	SI	FE	CU	MN	MG	CR	ZN	TI
12500492	Actuals	0.66	0.5	0.25	0.13	1.0	0.16	0.01	0.06

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)], it was manufactured in the United States

